HW#60: Radicals Review

Geometry

Due Date: Tuesday, February 4th , 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 1) Simplify: | 2) Simplify : |
| 3) Simplify: | 4) Simplify: |
| 5) Simplify: | 6) Simplify: |
| 7) Simplify: | 8) Simplify: |
| 9) A rectangle has a width of and a length of .  *Draw the rectangle below, and answer the questions to the right:* | a) What is the perimeter of the rectangle?  b) What is the area of the rectangle? |

HW#61A: Interim Concepts Review

Due Date: Tuesday, February 4th, 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

|  |  |
| --- | --- |
| 1) The circumference of a circle is 30 inches. What is the radius? | 2) The diameter of a circle is 10 cm. What is the circumference? |
| 3) Find the length of arc AB. | 4) Find the measurement and length of the arc AXB. |
| 4) a. Find the arc length of the circle below  b. Find area of sector | 5) a. Find the arc length of the circle below  b. Find area of sector |
| 6) The wheel of a Toyota Camry completes three revolutions once it travels 9 meters. What is the circumference of the tire? What is the area of the tire? | 7) After a tire of a monster has made 4 revolutions it has traveled 112 feet.   1. What is the circumference of the wheel? 2. What is the area of the wheel? 3. What is a quarter of the area of the wheel? |
| 7) Generate a linear question for the line that passes through points (2,1) and (6, 3) and write it in the following three forms.   1. Point-Slope Form: 2. Standard Form: 3. Slope-Intercept Form: | |

HW#60A: Into to Imaginary Numbers

Geometry

Due Date: Thursday, February 6th, 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

Watch the following video and answer the following questions

<http://tinyurl.com/GEOMCP60>

Watch the above video and prepare a 2-minute presentation for the class about imaginary numbers. All of your notes should go in the space below:

|  |  |  |  |
| --- | --- | --- | --- |
| 1)   |  | | --- | |  | | 2) Simplify   |  | | --- | |  | |
| 3)   |  | | --- | |  | | 4)   |  | | --- | |  | |
| 5)   |  | | --- | |  | | 6)   |  | | --- | |  | |

HW#62: Radicals/Exponents Review

Due Date: Friday, February 7th, 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

|  |  |
| --- | --- |
| 1) Simplify: | 2) Simplify: |
| 3) A running race in Europe is 200 kilometers long. If the race is split between each member of a 4 – person team, how many meters does each racer complete? | 4) Given the area and width of the rectangle below, find the length.    **AREA:**  3xy – 15y2  **Width:** x – 5y  **Length:** ?  A) 3  B) y  C) 3xy  D) 3y  E) 3y + 1 |
| 5) Which expression is a 4th degree binomial?  A)  B)  C)  D)  E) | 6) Simplify: |
| 7) Simplify: | 8) Simplify: |
| 9) Simplify: | 10) Simplify: |
| 11) Simplify: | 12) |
| 13) Simplify: | 14) Simplify: |
| 15) Simplify: | |

HW#63: Multiply Complex Numbers

Due Date: Monday, February 10th, 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

|  |  |  |  |
| --- | --- | --- | --- |
| 1) 4(9 = | 2) 4 = | | 3) |
| 4) | 5) | | 6) (9 - 2 |
| 7) Simplify: = | | 6) Simplify: = | |
| 7) Simplify: = | | 8) Simplify: = | |
| 1. Find the slope of (-8, 2) and (-5, 11). | | 1. Write an equation of a line from the graph. | |
| Line 1: (0, 4), (4, 4)  Line 2: (1,2), (-2, 2)  Are these lines parallel or perpendicular? | | Line 1: (1, 0), (7, 4)  Line 2: (7, 0), (3, 6)  Are these lines parallel or perpendicular? | |
| 1. Write an equation of the line shown. | | 1. Write an equation of the line shown. | |